INITIAL REVIEW EXPOSURE REPORT (IREXR)

Chemical ID: P-18-0324

Reviewer: Mottl/ND

This assessment is based on the Focus Ready Draft dated 10/30/2018.

Results Table: Dose, Concentration, and Days Exceeded Results Summary

Exposure Scenario ¹		Water					Landfill	Stac	k Air	Fugiti	ive Air
	Drinkin	g Water	Fish In	gestion	7Q10 ⁴ PDM				LADD	ADR	LADD
Release activity(ies) ² ; exposure calculation(s) ³	ADR	LADD	ADR	LADD	CC = 1000	Days Exceeded	LADD	(24-hr conc.)	(Annual conc.)	(24-hr conc.)	(Annual conc.)
mg/kg/day mg/kg/day mg/kg/day μg/l # Days	mg/kg/day	mg/kg/day (μg/m³)	mg/kg/day (μg/m³)	mg/kg/day (μg/m³)	mg/kg/day (μg/m³)						
PROC:Max ADR: max acute eco	7.33e-3		2.38e-4		3.32e+2			 ()	 ()	 ()	 ()
PROC:Max LADD		1.34e-5		9.65e-8			1 31e-4	 ()	 ()	 ()	 ()
USE:Max ADR: max acute eco	2.12e-3		6.89e-5		9.60e+1			 ()	 ()	3.29e-2 (1.80e+2)	 ()
USE:PDM1					9.60e+1	0		 ()	 ()	 ()	 ()
USE:PDM2					5.35e+1	0		 ()	 ()	 ()	 ()
USE:Max LADD		2.16e-5		1.56e-7			1 24e-3	 ()	 ()	 ()	3.01e-4 (3 89e+0

¹ Exposure scenario titles consist of release activity followed by exposure calculation abbreviation.

Remarks:

PROC, USE - Paint Formulation SIC code

Results Table: Exposure Based (XB)/Persistent (P2B2) Criteria

Parameter	Exp Based	Persistent	Exceedance Value
Drinking (Surface) Water Dose (mg/kg/day)	No	NA	
Fish Ingestion Dose (mg/kg/day)	No	NA	
Inhalation Dose (mg/kg/day)	No	NA	
Groundwater Dose (mg/kg/day)	No	NA	
Surface Water Release After Treatment (kg/yr)			
Total Release After Treatment (kg/yr)			
Consumer Use?	No		

Fate test recommendations?: (default is NA)

² Release activities are from engineering report's Manufacturing (Mfg), Processing (Proc) and Use release activity labels. Multiple release activities are combined in one exposure scenario if their releases occur at same location.

³ Exposure calculations are Acute Dose Rate (ADR), Lifetime Average Daily Dose (LADD), and Probabilistic Dilution Model (PDM).

There may be one, two, or all three exposure calculations per exposure scenario. CC is the aquatic concentration of concern.

⁴ This column displays concentration values for the 7Q10 streamflow, which is defined as the average daily streamflow of the seven consecutive days of lowest flow within a ten year period.

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: P-18-0324 Assessor: Mottl/ND

ENVIRONMENTAL RELEASES									
Scenario#:1		Number of Release Sites: 25.							
Release Activity:	PROC:Max ADR								
Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE					
Total Releases:									
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)					
		Non-sludge/Sludge							
Release Days/yr:									
Per Site Release:									
	(kg/site/day)	(kg/site/day)	(kg/site/day)	(kg/site/day)					

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: P-18-0324

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1 Number of Sites: 25 RELEASE

ACTIVITY:PROC:Max ADR

SIC-CODE DESCRIPTION: Paint Formulation

SIC-CODE (S): 2851 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
90.00	13.			0.00	1.00

	AQUATIC EXPOSURE ESTIMATES - SURFACE WATER								
PLANT TYPE	% ILE FACILITY		STREAM FLOW (MLD)				STREAM CONC. (μg/l)		
		Harmonic Mean					30Q5	7Q10	1Q10
ALL	50	216.47	60.31	37.13	30.71	11.18	40.13	65.18	78.80
ALL	10	35.44	12.51	7.29	6.10	68.28	193.45	331.96	396.72

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES							
Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units	
	50%	10%		50%	10%		
Cancer							
$LADD_{pot}$	2.19E-06	1.34E-05	mg/kg/day	1.58E-08	9.65E-08	mg/kg/day	
LADC _{pot}	1.68E-04	1.03E-03	mg/L	1.68E-04	1.03E-03	mg/kg	
Acute							
ADR_{pot}	1.52E-03	7.33E-03	mg/kg/day	3.90E-05	2.38E-04	mg/kg/day	

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Chemical ID: P-18-0324 Assessor: Mottl/ND

ENVIRONMENTAL RELEASES									
Scenario#:2		Number of Release Sites: 25.							
Release Activity:	PROC:Max LADD								
Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE					
Total Releases:									
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)					
		Non-sludge/Sludge							
Release Days/yr:	_			_					
Per Site Release:									
	(kg/site/day)	(kg/site/day)	(kg/site/day)	(kg/site/day)					

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Chemical ID: P-18-0324

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2 Number of Sites: 25 RELEASE

ACTIVITY:PROC:Max LADD

SIC-CODE DESCRIPTION: Paint Formulation

SIC-CODE (S): 2851 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
90.00	1.			0.00	1.00

	AQUATIC EXPOSURE ESTIMATES - SURFACE WATER								
PLANT TYPE	% ILE FACILITY		STREAM FLOW (MLD)				STREAM CONC. (μg/l)		
		Harmonic Mean					30Q5	7Q10	1Q10
ALL	50	216.47	60.31	37.13	30.71	N/A	N/A	N/A	N/A
ALL	10	35.44	12.51	7.29	6.10	N/A	N/A	N/A	N/A

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES							
Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units	
	50%	10%		50%	10%		
Cancer							
$LADD_{pot}$	2.19E-06	1.34E-05	mg/kg/day	1.58E-08	9.65E-08	mg/kg/day	
LADC _{pot}	1.68E-04	1.03E-03	mg/L	1.68E-04	1.03E-03	mg/kg	
Acute							
ADR_{pot}	N/A	N/A	mg/kg/day	N/A	N/A	mg/kg/day	

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Chemical ID: P-18-0324

DRINKING WATER EXPOSURE ESTIMATES FROM LANDFILL RELEASES

SCENARIO #: 2 ACTIVITY: PROC:Max LADD

RELEASE DESCRIPTION:

EXPOSED POPULATION: Adult

NUMBER OF SITES	NON-SLUDGE LANDFILL RELEASE AND DAYS OF RELEASE (kg/site/day)/(days)	LANDFILLED SLUDGE ¹ AND DAYS OF RELEASE (kg/site/day)/(days)	MIGRATION DESCRIPTOR ²	ADSORPTION TO WASTEWATER SLUDGE (%)	DRINKING WATER TREATMENT (%)
25.			Rapid	0.00	0.00

¹ Landfilled sludge equals the fraction adsorbed to wastewater treatment sludge times the surface water pre-treatment release.

² Migration Descriptor	Log Koc	Groundwater Concentration (GWC)
		(mg/L per kg release)
Negligible	no migration	None
Negligible to slow	> 4.5	3.21E-6
Slow	<4.5 to 3.5	2.67E-5
Moderate	<3.5 to 2.5	5.95E-5
Rapid	< 2.5	7.55E-5

			ASSUM	IPTIONS		
Exposure Units	Results	ED (years)	AT (years)	BW (kg)	IR (L/day)	
Cancer						
LADD _{pot} (mg/kg/day)	1.31E-04	33.00	78.00	80.00	1.04	
LADC _{pot} (mg/L)	1.00E-02	33.00	78.00	NA	NA	

REMARKS:

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: P-18-0324 Assessor: Mottl/ND

	ENVIRONMENTAL RELEASES							
Scenario#:3		Number of Release Sites:	: 50.					
Release Activity:	USE:Max ADR							
Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE				
Total Releases:								
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)				
		Non-sludge/Sludge						
Release Days/yr:				_				
Per Site Release:								
	(kg/site/day)	(kg/site/day)	(kg/site/day)	(kg/site/day)				

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: P-18-0324

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 3 Number of Sites: 50 RELEASE ACTIVITY:USE:Max

ADR

SIC-CODE DESCRIPTION: Paint Formulation

SIC-CODE (S): 2851 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
90.00	38.			0.00	1.00

	AQUATIC EXPOSURE ESTIMATES - SURFACE WATER								
PLANT TYPE	% ILE FACILITY		STREAM FLOW (MLD)				STREAM CONC. (μg/l)		
		Harmonic Mean						1Q10	
ALL	50	216.47	60.31	37.13	30.71	3.23	11.61	18.85	22.79
ALL	10	35.44	12.51	7.29	6.10	19.75	55.96	96.02	114.75

DRINI	DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES							
Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units		
	50%	10%		50%	10%			
	Cancer							
$LADD_{pot}$	1.85E-06	1.13E-05	mg/kg/day	1.34E-08	8.16E-08	mg/kg/day		
LADC _{pot}	1.42E-04	8.70E-04	mg/L	1.42E-04	8.70E-04	mg/kg		
Acute								
ADR_{pot}	4.40E-04	2.12E-03	mg/kg/day	1.13E-05	6.89E-05	mg/kg/day		

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: P-18-0324

INHALATION EXPOSURE ESTIMATES (POST-TREATMENT)

SCENARIO #: 3 RELEASE ACTIVITY:USE:Max ADR

RELEASE DESCRIPTION:

METHOD OF CALCULATION: Screen3

EXPOSED POPULATION: Adult

Number of Sites: 50.

Per Site Fugitive Release: kg/site/day

Fugitive Release Days per Year: 100.00 days

% Removal via Fugitive Release: 0.00 %

Total Fugitive Release: kg/yr

Max Annual Average Air Concentration 3.89 μg/m³

(Fugitive):

Max 24 Hour Average Air $180.00 \mu \text{g/m}^3$

Concentration(Fugitive):

Per Site Stack Release: kg/site/day

Stack Release Days per Year: NA days

% Removal via Stack Release: 99.90 %

Total Stack Release: kg/yr

Max Annual Average Air Concentration (Stack): 0.00 μg/m³

Max 24 Hour Average Air Concentration (Stack): 0.00 μg/m³

	Danilea Danilea		ASSUMPTIONS				
	Results Results (Fugitive)	Results (Fugitive)	ED (years)	AT (years)	BW (kg)	Inh. Rate (m³/hr)	
Cancer							
LADD _{pot} (mg/kg/day)	N/A	3.01E-04	33.00	78.00	80.00	0.61	
LADC _{pot} (mg/m ³)	N/A	1.65E-03	33.00	78.00	NA	NA	
Acute							
ADR _{pot} (mg/kg/day)	N/A	3.29E-02	NA	1 day	80.00	0.61	

Inhalation Comments:

Stack Parameter Data Fugitive Parameter Data Stack Height 10.00 Release Height: 3.00 m Inside Stack 0.10 Length of Release 10.00 m Opening: Diameter: Stack Gas Exit 0.10 Width of Release 10.00 m Velocity: Opening: Stack Gas 293.00

Temperature:

Meteorological and Terrain Information:

Surrounding Land Use: Rural Terrain Height: 0.00 m Distance to Residence of Interest: 100.00 m Meteorological Class: Full Stability Class: NA Wind Speed: NA

Downwash Information:

Facility Length: NA m Facility Width: NA m Facility Height: NA m

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Chemical ID: P-18-0324 Assessor: Mottl/ND

	ENVIRONMENTAL RELEASES								
Scenario#:4	Number of Release Sites: 50.								
Release Activity:	USE:PDM1								
Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE					
Total Releases:									
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)					
		Non-sludge/Sludge							
Release Days/yr:									
Per Site Release:									
	(kg/site/day)	(kg/site/day)	(kg/site/day)	(kg/site/day)					

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Chemical ID: P-18-0324

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 4 Number of Sites: 50 RELEASE

ACTIVITY:USE:PDM1

SIC-CODE DESCRIPTION: Paint Formulation

SIC-CODE (S): 2851 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
90.00	38.			0.00	1.00

	AQUATIC EXPOSURE ESTIMATES - SURFACE WATER								
PLANT TYPE	% ILE FACILITY		STREAM FI	LOW (MLD)	STREAM CONC. (μg/l)			
		Harmonic Mean 30Q5 7Q10 1Q10 Harmonic Mean 30Q5 7Q10					7Q10	1Q10	
ALL	50	216.47	60.31	37.13	30.71	3.23	11.61	18.85	22.79
ALL	10	35.44	35.44 12.51 7.29 6.10 19.75 55.96 96.02 114.						114.75

DRIN	DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES							
Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units		
	50%	10%		50%	10%			
	Cancer							
$LADD_{pot}$	1.85E-06	1.13E-05	mg/kg/day	1.34E-08	8.16E-08	mg/kg/day		
LADC _{pot}	1.42E-04	8.70E-04	mg/L	1.42E-04	8.70E-04	mg/kg		
Acute								
ADR_{pot}	4.40E-04	2.12E-03	mg/kg/day	1.13E-05	6.89E-05	mg/kg/day		

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SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 4 RELEASE ACTIVITY: USE:PDM1

SIC CODE DESCRIPTION: Paint Formulation

ASSOCIATED SIC CODES: 2851

SIC CODE RESULTS							
COC (µg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis	
1000.00	0	0			90.00	High	

INITIAL REVIEW EXPOSURE REPORT

Chemical ID: P-18-0324 Assessor: Mottl/ND

	ENVIRONMENTAL RELEASES								
Scenario#:5	Number of Release Sites: 50.								
Release Activity:	USE:PDM2								
Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE					
Total Releases:									
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)					
		Non-sludge/Sludge							
Release Days/yr:	_								
Per Site Release:									
	(kg/site/day)	(kg/site/day)	(kg/site/day)	(kg/site/day)					

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Chemical ID: P-18-0324

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 5 Number of Sites: 50 RELEASE

ACTIVITY:USE:PDM2

SIC-CODE DESCRIPTION: Paint Formulation

SIC-CODE (S): 2851 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
90.00	100.			0.00	1.00

	AQUATIC EXPOSURE ESTIMATES - SURFACE WATER									
PLANT TYPE	% ILE FACILITY		STREAM FLOW (MLD) Harmonic Mean 30Q5 7Q10 1Q10				STREAM CONC. (μg/l)			
		Harmonic Mean					30Q5	7Q10	1Q10	
ALL	50	216.47	60.31	37.13	30.71	1.80	6.47	10.50	12.70	
ALL	10	35.44	12.51	7.29	6.10	11.00	31.18	53.50	63.93	

DRIN	DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES								
Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units			
	50%	10%		50%	10%				
	Cancer								
$LADD_{pot}$	2.71E-06	1.66E-05	mg/kg/day	1.96E-08	1.20E-07	mg/kg/day			
LADC _{pot}	2.09E-04	1.28E-03	mg/L	2.09E-04	1.28E-03	mg/kg			
Acute									
ADR_{pot}	2.45E-04	1.18E-03	mg/kg/day	6.28E-06	3.84E-05	mg/kg/day			

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SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 5 RELEASE ACTIVITY: USE:PDM2

SIC CODE DESCRIPTION: Paint Formulation

ASSOCIATED SIC CODES: 2851

SIC CODE RESULTS									
COC (μg/L)	Percent of Year COC Exceeded	Number of Days COC Exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis			
1000.00	1000.00 0 0 90.00 High								

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Chemical ID: P-18-0324 Assessor: Mottl/ND

	ENV	/IRONMENTAL RELEASES		
Scenario#:6		Number of Release Sites	: 50.	
Release Activity:	USE:Max LADD			
Release Description:	WATER	LANDFILL Non-sludge/Sludge	STACK	FUGITIVE
Total Releases:				
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)
		Non-sludge/Sludge		
Release Days/yr:				
Per Site Release:				
	(kg/site/day)	(kg/site/day)	(kg/site/day)	(kg/site/day)

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SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 6 Number of Sites: 50 RELEASE ACTIVITY:USE:Max

LADD

SIC-CODE DESCRIPTION: Paint Formulation

SIC-CODE (S): 2851 EXPOSED POPULATION: Adult

WWT REMOVAL (%)	RELEASE DAYS	PRETREATMENT RELEASE (kg/site/day)	POSTTREATMENT RELEASE (kg/site/day)	DWT (%)	BCF (L/kg)
90.00	1.			0.00	1.00

	AQUATIC EXPOSURE ESTIMATES - SURFACE WATER									
PLANT TYPE	% ILE FACILITY		STREAM FI	LOW (MLD)	STREAM CONC. (μg/l)				
		Harmonic Mean	30Q5	7Q10	1Q10	Harmonic Mean	30Q5	7Q10	1Q10	
ALL	50	216.47	60.31	37.13	30.71	N/A	N/A	N/A	N/A	
ALL	10	35.44	12.51	7.29	6.10	N/A	N/A	N/A	N/A	

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES								
Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units		
	50%	10%		50%	10%			
Cancer								
$LADD_{pot}$	3.53E-06	2.16E-05	mg/kg/day	2.55E-08	1.56E-07	mg/kg/day		
LADC _{pot}	2.72E-04	1.66E-03	mg/L	2.72E-04	1.66E-03	mg/kg		
Acute								
ADR_{pot}	N/A	N/A	mg/kg/day	N/A	N/A	mg/kg/day		

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DRINKING WATER EXPOSURE ESTIMATES FROM LANDFILL RELEASES

SCENARIO #: 6 ACTIVITY: USE:Max LADD

RELEASE DESCRIPTION:

EXPOSED POPULATION: Adult

NUMBER OF SITES	NON-SLUDGE LANDFILL RELEASE AND DAYS OF RELEASE (kg/site/day)/(days)	LANDFILLED SLUDGE ¹ AND DAYS OF RELEASE (kg/site/day)/(days)	MIGRATION DESCRIPTOR ²	ADSORPTION TO WASTEWATER SLUDGE (%)	DRINKING WATER TREATMENT (%)
50.			Rapid	0.00	0.00

Landfilled sludge equals the fraction adsorbed to wastewater treatment sludge times the surface water pre-treatment release.

2	Migration Descriptor	Log Koc	Groundwater Concentration (GWC)
			(mg/L per kg release)
	Negligible	no migration	None
	Negligible to slow	> 4.5	3.21E-6
	Slow	<4.5 to 3.5	2.67E-5
	Moderate	<3.5 to 2.5	5.95E-5

< 2.5

Exposure Units		ASSUMPTIONS						
	Results	ED	AT	BW	IR			
		(years)	(years)	(kg)	(L/day)			
		Cancer						
LADD _{pot} (mg/kg/day)	1.24E-03	33.00	78.00	80.00	1.04			
LADC _{pot} (mg/L)	9.58E-02	33.00	78.00	NA	NA			

7.55E-5

REMARKS:

Rapid

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Chemical ID: P-18-0324

INHALATION EXPOSURE ESTIMATES (POST-TREATMENT)

SCENARIO #: 6

RELEASE ACTIVITY: USE: Max LADD

RELEASE DESCRIPTION:

METHOD OF CALCULATION: Screen3

EXPOSED POPULATION: Adult

Number of Sites: 50.

Per Site Fugitive Release: kg/site/day

Fugitive Release Days per Year: 1.00 days

% Removal via Fugitive Release: 0.00 %

Total Fugitive Release: kg/yr

Max Annual Average Air Concentration 3.89 μg/m³

(Fugitive):

Max 24 Hour Average Air $N/A \mu g/m^3$

Concentration(Fugitive):

Per Site Stack Release: kg/site/day

Stack Release Days per Year: days

% Removal via Stack Release: 99.90 %

Total Stack Release: kg/yr

Max Annual Average Air Concentration (Stack): 0.00 μg/m³

Max 24 Hour Average Air Concentration (Stack): N/A μg/m³

	D 1	D 1:	ASSUMPTIONS					
Exposure Units	Results (Stack)	Results (Fugitive)	ED (years)	AT (years)	BW (kg)	Inh. Rate (m³/hr)		
Cancer								
LADD _{pot} (mg/kg/day)	N/A	3.01E-04	33.00	78.00	80.00	0.61		
LADC _{pot} (mg/m ³)	N/A	1.65E-03	33.00	78.00	NA	NA		
Acute								
ADR _{pot} (mg/kg/day)	N/A	N/A	NA	1 day	80.00	0.61		

Inhalation Comments:

Fugitive Parameter Data Stack Parameter Data Stack Height 10.00 Release Height: 3.00 m Inside Stack 0.10 Length of Release 10.00 m Opening: Diameter: Stack Gas Exit 0.10 Width of Release 10.00 m Velocity: Opening:

Stack Gas 293.00

Temperature:

Meteorological and Terrain Information:

Surrounding Land Use:

Rural

Terrain Height:

0.00 m

Distance to Residence of Interest:

100.00 m

Meteorological Class:

Full

Stability Class: NA

Wind Speed: NA

Downwash Information:

Facility Length:

NA m
Facility Width:

NA m
Facility Height:

NA m